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STN SEARCH NOTES

10/662, 820

(FILE 'HOME' ENTERED AT 12:42:21 ON 12 NOV 2004)

FILE 'REGISTRY' ENTERED AT 12:42:26 ON 12 NOV 2004

L1 1 S MENATETRENONE/CN

L2 1 S MENAQUINONE/CN

FILE 'MEDLINE, HCAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT 13:08:13 ON 12 NOV 2004

L3 934 S L1 OR MENATETRENONE OR GLAKAY OR KAYTWO

L4 66730 S (HEPATIC CANCER) OR (PORTAL VENOUS INVASION) OR (HEPATOCELLUL

L5 159227 S LIVER(W) (CARCINOMA OR CANCER? OR TUMOR? OR NEOPLAS?)

L6 190685 S L4 OR L5

L7 22 S L3 AND L6

L8 18 DUP REM L7 (4 DUPLICATES REMOVED)

L9 602 S ACARBOXY(W) PROTHROMBIN OR DECARBOXYPROTHROMBIN OR DES(W) GAMMA

L10 89 S DESCARBOXYLATED(W) PROTHROMBIN OR DESCARBOXYPROTHROMBIN

L11 89 S (DESCARBOXYLATED(W) PROTHROMBIN) OR DESCARBOXYPROTHROMBIN

L12 254 S (PROTHROMBIN(W) PRECURSOR?) OR (ISOPROTHROMBIN)

L13 915 S L9 OR L10 OR L12

L14 3 S L12 AND L3

L15 2 DUP REM L14 (1 DUPLICATE REMOVED)

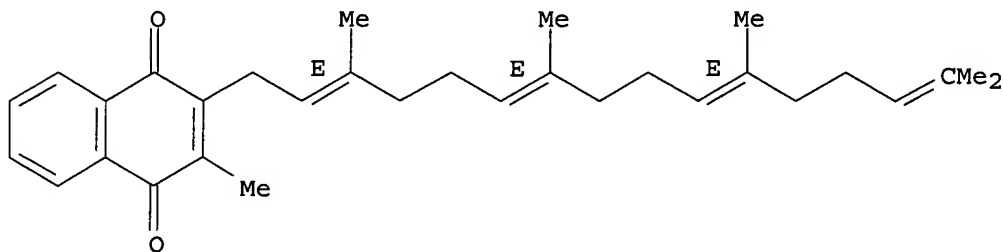
STN SEARCH  
NOTES  
10/662,820

=> s menatetrenone/cn  
L1 1 MENATETRENONE/CN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 863-61-6 REGISTRY  
CN 1,4-Naphthalenedione, 2-methyl-3-[(2E,6E,10E)-3,7,11,15-tetramethyl-2,6,10,14-hexadecatetraenyl]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1,4-Naphthalenedione, 2-methyl-3-(3,7,11,15-tetramethyl-2,6,10,14-hexadecatetraenyl)-, (E,E,E)-  
CN 1,4-Naphthoquinone, 2-methyl-3-(3,7,11,15-tetramethyl-2,6,10,14-hexadecatetraenyl)- (8CI)  
OTHER NAMES:  
CN 2-Methyl-3-geranylgeranyl-1,4-naphthoquinone  
CN Glakay  
CN Kaytwo  
CN Menaquinone 4  
CN Menaquinone K4  
CN **Menatetrenone**  
CN MK4  
CN Vitamin K2(20)  
CN Vitamin MK 4  
FS STEREOSEARCH  
DR 15261-37-7, 20977-31-5, 39776-41-5  
MF C31 H40 O2  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, NAPRALERT, PROMT, PROUSDDR, RTECS\*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)  
Other Sources: WHO  
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report  
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)  
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PRP (Properties)

Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

394 REFERENCES IN FILE CA (1907 TO DATE)  
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
395 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s menaquinone/cn

L2 1 MENAQUINONE/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 1182-68-9 REGISTRY

CN 1,4-Naphthalenedione, 2-methyl-3-[(2E,6E,10E,14E)-3,7,11,15,19-pentamethyl-2,6,10,14,18-eicosapentaenyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4-Naphthalenedione, 2-methyl-3-(3,7,11,15,19-pentamethyl-2,6,10,14,18-eicosapentaenyl)-, (all-E)-

CN 1,4-Naphthoquinone, 2-methyl-3-(3,7,11,15,19-pentamethyl-2,6,10,14,18-eicosapentaenyl)- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 2-Methyl-3-farnesylgeranyl-1,4-naphthoquinone

CN **Menaquinone**

CN Menaquinone 5

CN Vitamin K2(25)

CN Vitamin MK 5

FS STEREOSEARCH

DR 24009-04-9, 29446-55-7, 107387-52-0

MF C36 H48 O2

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CIN, DDFU, DIOGENES, DRUGU, IPA, NAPRALERT, PROMT, TOXCENTER, USPATFULL, VETU

(\*File contains numerically searchable property data)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); USES (Uses)

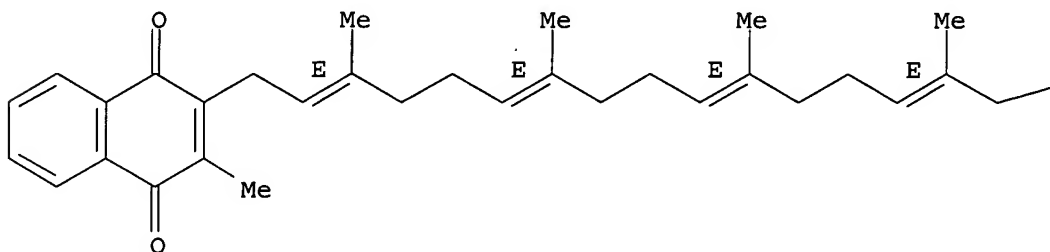
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

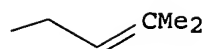
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Double bond geometry as shown.

PAGE 1-A





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

279 REFERENCES IN FILE CA (1907 TO DATE)  
18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
279 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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